EVALUATION REPORT

San Mateo Auto Care
1471 E. 3rd Avenue
San Mateo, CA
GDF#10988
Application #8507

BACKGROUND

San Mateo Auto Care (facility) located at 1471 E. 3rd Avenue, San Mateo, CA submitted this application to increase annual gasoline throughput. No equipment modifications are being proposed at this time. The facility is currently conditioned to 578,000 gal/year throughput limit (Condition #9665) and this was the baseline established under A/N 29427.

The facility operates the following equipment: Two (2) 10,000 gallon underground gasoline tanks, four (4) dispensers equipped with seven (7) single product nozzles. The facility is equipped with Phase I Coaxial system and Phase II Balance system.

EMISSION CALCULATIONS

Emission factors are taken from the Gasoline Service Station Industrywide Risk Assessment Guidelines developed by the California Air Pollution Officers Association's (CAPCOA) Toxics Committee. Emissions of Precursor Organic Compound (POC) include emissions from loading, breathing, refueling and spillage. The annual gasoline throughput limit of 2.68 million gal/yr is based on the results of the Air Toxics Risk Screening.

Increase:	(2.1 million gal/yr)(1.27 lb/1000 gal)	= 2,667 lb/yr
		= 7.3 lb/day
		= 1.3 TPY
Total emissions:	(2.68 million gal/yr)(1.27 lb/1000 gal)	= 3404 lb/yr
		= 9.3 lb/day
		= 1.7 TPY

TOXIC RISK SCREENING ANALYSIS

The toxic air contaminant of concern at this site is benzene, a carcinogen. Benzene is emitted during gasoline dispensing operations. The estimated increase in emission rate and annual emissions of benzene are greater than the toxic trigger level (6.7 lb/yr), therefore an Air Toxics Risk Screening is required. According to the risk screening analysis, the maximum cancer risk for the nearest residents is 10 chances in a million and the risk at the school is 0.04 chances in a million. In accordance with BAAQMD Risk Management Policy, these risk values are acceptable and the facility passes the screening assessment provided Toxics Best Available Control (TBACT) is used. TBACT for gas stations consists of CARB-certified equipment. All equipment at this station meets this requirement.

COMPLIANCE

The facility shall comply with Regulation 8-7-301 and 302 (Phase I and Phase II) and CARB Executive Orders G-70-97A and G-70-36AD.

A. **Permits – General Requirements, Regulation 2, Rule 1**

The facility is located within 1000 feet of the outer boundary of St. Timothy's Catholic School. It is therefore subject to the public notification requirements of Regulation 2-1-412. A public notice will be sent to all parents of students of the above-mentioned school and all residents within 1000 feet of the facility. There will be a 30-day public comment period.

B. **Permits – New Source Review, Regulation 2, Rule 2**

1. **Best Available Control Technology (BACT), Regulation 2-2-301**: BACT is not triggered because the facility is going to emit less than 10 lbs of VOC per single day.

2. **Offsets, Regulation 2-2-302**: Because the total facility emissions will be less than 15 tons per year, the facility is not required to provide offsets.

3. **California Environmental Quality ACT (CEQA), Regulation 2-1-311**: This project is considered to be ministerial under Regulation 2-1-311 and therefore is not subject to CEQA review. The engineering review for this project requires only the application of standard permit conditions and standard emission factors in accordance with Permit Handbook Chapter 2.3.and therefore is not discretionary as defined by CEQA.

C. **Fees – Regulation 3**

All applicable fees have been paid.

RECOMMENDATION

I recommend that a Permit to Operate be issued to San Mateo Auto Care, located at 1471 E. 3rd Avenue, San Mateo, CA., with a gasoline throughput limit of 2.68 million gal/yr (Condition #10411).

by:_____ Date:_____

Lorna Santiago
AQ Permit Technician